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DEPARTMENT OF ENVIRONMENTAL TOXICOLOGY
ONE SHIELDS AVENUE
DAVIS, CALIFORNIA 95616-8588

May 7, 2015

Hq.foia@epa.gov

FOIA request for oxyfluorfen, prometryn, simazine, trifluralin, and fipronil information

Dear EPA,

I am a post-doctoral researcher at the University of California at Davis, working under Dr. Ronald Tjeerdema in the department of Environmental Toxicology. We are working on a contract from the California Central Valley Regional Water Quality Control Board. In the project, we are deriving water quality criteria for a collection of herbicides and are looking for all available aquatic toxicity and fate information on the following:

- oxyfluorfen
- prometryn
- simazine
- trifluralin
- fipronil

The following pages contain a list of documents that I am requesting as found on the EPA Office of Pesticide Programs Ecotoxicity Database and the Integrated Pest Management (IPM) OPP Pesticide Ecotoxicity Database. Some of the MRID numbers I found had multiple references associated with them, and I could not find complete references for some MRIDs. Some cells in the table are intentionally blank because I could not locate all of the associated information. Your assistance in finding these documents is greatly appreciated.

Electronic files are preferred rather than hardcopies.

I have attached a copy of the Affirmation of Non-multinational Status form. This request does not encompass any information which may be entitled to confidential treatment, or which otherwise may be exempt from disclosure under FOIA.

Please let me know if you require any other information to process this request. I have included my email and phone number where I may be reached.

Thank you,

Julie Bower

Department of Environmental Toxicology

University of California, Davis

Mailing address:

PO Box 1177

Gualala, CA 95445

jcbower@ucdavis.edu

(925) 337-4145

MRID followed by information available (species name, species/study type, acute/chronic), then by citation if available. Batch numbers from IPM searches are included when available.

Oxyfluorfen CAS No. 42874-03-3 PC Code 111601

140477

Bluegill sunfish (*Lepomis macrochirus*) Freshwater fish

465851-04

Fathead minnow (*Pimephales promelas*) Freshwater fish
2005, Palmer et al

921361-06

Water flea (*Daphnia magna*) Freshwater invertebrate

452713-01

Water flea (*Daphnia magna*) Freshwater invertebrate
2000, Sutherland et al

421423-05

Water flea (*Daphnia magna*) Freshwater invertebrate
1986, Forbis et al

455502-01

Water flea (*Daphnia magna*) Freshwater invertebrate
2001, Forbis and Fraizer

921360-57

Fathead Minnow (*Pimephales promelas*) Freshwater fish
1980

38574

Bluegill sunfish (*Lepomis macrochirus*) Freshwater fish
1976, Bentley

30249

Fathead Minnow (*Pimephales promelas*) Freshwater fish

134449

Daphnids

458611-03

Duckweed (*Lemna gibba*) Aquatic plan, vascular
2002, Roshon

452713-02

Selenastrum capricornutum Freshwater algae
2000, Sutherland et al

449462-32

Selenastrum capricornutum Freshwater algae

420480-01

Midge larvae (Chironomus tentans) Benthic bloodworm

465851-02

Midge larvae (Chironomus tentans) Benthic bloodworm

4153012-05

Mallard duck (Anas platyrhynchos) Terrestrial bird

921361-04

Mallard duck (Anas platyrhynchos) Terrestrial bird
1987, Fletcher

921361-03

Mallard duck (Anas platyrhynchos) Terrestrial bird
1987, Fletcher

460701-01

Mallard duck (Anas platyrhynchos) Terrestrial bird
2003, Frey et al

421423-09

No other information found

463731-03

No other information found

463731-04

No other information found

421423-10

No other information found

921361-11

No other information found

421291-01

No other information found

421423-07

No other information found

421423-08

No other information found

134454

No other information found

110728

No other information found

421423-11

No other information found

438401-01

No other information found

921361-12

No other information found

921360-99

No other information found

41530125

Mallard duck (*Anas platyrhynchos*) Aves

1982, R. Felthousen (reviewer), Barriston Research Lab, Temple Hill, MD (laboratory),
012309 (batch number)

45861104

Blue-green algae (*Anabaena flos-aquae*) Aquatic Plant

2002, P. Doelling-Brown (reviewer), ESG International, Inc., Ecotoxicity Laboratory,
Guelph, Ontario Canada (laboratory), 101509 (batch number)

45861105

Freshwater diatom (*Navicula pelliculosa*) Aquatic Plant

2002, P. Doelling-Brown (reviewer), ESG International, Inc., Ecotoxicity Laboratory,
Guelph, Ontario Canada (laboratory), 101509 (batch number)

45581601

Freshwater Green algae (*Pseudokirchneriella subcapitata*) Aquatic Plant

1999, C. Hartless (reviewer), Springborn Laboratory Inc., Wareham, MA (laboratory)

45271302

Green algae (*Selenastrum capricornutum*) Aquatic Plant
2000, C. Hartless (reviewer), Wildlife International Inc., MD (laboratory)

45861106

Marine diatom (*Skeletonema costatum*) Aquatic Plant
2002, P. Doelling-Brown (reviewer), ESG International, Inc., Ecotoxicity Laboratory,
Guelph, Ontario Canada (laboratory), 101509 (batch number)

45271303

Predatory mite (*Typhlodromus pyri*) Arachnida
2000, C. Hartless (reviewer), Springborn Laboratory Inc., Wareham, MA (laboratory)

00117618

Mallard duck (*Anas platyrhynchos*) Aves
1982, R. Felthousen (reviewer), Barriston Research Lab, Temple Hill, MD (laboratory)

46070101

Mallard duck (*Anas platyrhynchos*) Aves
2003, C. Hartless (reviewer), Wildlife International Inc., MD (laboratory), 091505
(batch number)

42142303

Mallard duck (*Anas platyrhynchos*) Aves
1987, H. Craven (KBN) (reviewer), Biolife Associates, Inc. (laboratory)

00117618

Mallard duck (*Anas platyrhynchos*) Aves
1982, D. Rieder (reviewer), Barriston Research Lab, Temple Hill, MD (laboratory)

00134450

Fiddler crab (*Uca pugilator*) Crustacea
1977, D. Rieder (reviewer), Union Carbide Environmental Services (laboratory)

00134451

Grass shrimp (*Palaemonetes pugio*) Crustacea
1977, H. Craven (reviewer), Union Carbide Environmental Services (laboratory)

46597701

Mysid (*Americamysis bahia*) Crustacea
2005, C. Hartless (reviewer), Wildlife International Inc., MD (laboratory), 060209
(batch number)

42142305

Water flea (*Daphnia magna*) Crustacea
1986, J. Noles (reviewer), Analytical Biochemical Laboratory, Columbia, Missouri
(laboratory), 082004 (batch number)

45550201

Water flea (*Daphnia magna*) Crustacea
1986, C. Hartless (reviewer), Analytical Biochemical Laboratory, Columbia, Missouri
(laboratory)

00134449

Water flea (*Daphnia magna*) Crustacea
1976, D. Rieder (reviewer), EG & G Corp (Diamond Shamrock) (laboratory)

45271301

Water flea (*Daphnia magna*) Crustacea
2000, C. Hartless (reviewer), Wildlife International Inc., MD (laboratory)

42129801

Bluegill sunfish (*Lepomis macrochirus*) Fishes
1991, C. Rodriguez (reviewer), Wildlife International Inc., MD (laboratory)

00038574

Bluegill sunfish (*Lepomis macrochirus*) Fishes
1973, L. Turner (reviewer), Rohm and Haas Corporation (laboratory)

00134448 Channel catfish (*Ictalurus punctatus*) Fishes

1977, D. Rieder (reviewer), Union Carbide Environmental Services (laboratory)

00030249

Fathead minnow (*Pimephales promelas*) Fishes
1979, R. Hitch (reviewer), Bionomics, Inc., Wareham, MA. (laboratory)

42129802

Rainbow trout (*Oncorhynchus mykiss*) Fishes
1991, C. Rodriguez (reviewer), Wildlife International Inc., MD (laboratory)

00038574

Rainbow trout (*Oncorhynchus mykiss*) Fishes
1973, L. Turner (reviewer), Rohm and Haas Corporation (laboratory)

41698801 Sheepshead minnow (*Cyprinodon variegatus*) Fishes

1990, J. Noles (reviewer), Rohm and Haas Corporation (laboratory), 092209 (batch
number)

42048001 Midge (*Chironomus* sp.) Insecta
1989, H. Craven (KBN) (reviewer), Analytical Biochemical Laboratory, Columbia,
Missouri (laboratory)

00134453 Eastern oyster (*Crassostrea virginica*) Mollusca
1978, D. Rieder (reviewer), Union Carbide Environmental Services (laboratory)

42378901 Eastern oyster (*Crassostrea virginica*) Mollusca
1992, R. Felthousen (reviewer), Wildlife International Inc., MD (laboratory), 082004
(batch number)

42318901
Eastern oyster (*Crassostrea virginica*) Mollusca
1992, H. Craven (KBN) (reviewer), Wildlife International Inc., MD (laboratory)

46585103
Marine amphipod (*Leptocheirus plumulosus*) Crustacea
2005, C. Hartless (reviewer), Wildlife International Inc., MD (laboratory), 060209
(batch number)

45906006
Predatory mite (*Typhlodromus pyri*) Arachnida
1999, C. Hartless (reviewer), Springborn Laboratories Europe, Horn, Switzerland
(laboratory), 091505 (batch number)

46585102
Midge (in porewater) (*Chironomus tentans*) Insecta
2005, C. Hartless (reviewer), Wildlife International Inc., MD (laboratory), 060209
(batch number)

46585104
Fathead minnow (*Pimephales promelas*) Fishes 2005, C. Hartless (reviewer),
Wildlife International Inc., MD (laboratory), 060209 (batch number)

Prometryn CAS No. 7287-19-6

70686

Rainbow Trout (*Oncorhynchus mykiss*) Freshwater fish Acute
1965, Beliles, R.P.; Scott, W.; Knott, W, Prometryne: Safety Evaluation on Fish and Wildlife (Bobwhite Quail, Mallard Ducks, 47 2028299 2028300 2028301 Rainbow Trout, Sunfish, Goldfish)

24738

Rainbow Trout (*Oncorhynchus mykiss*) Freshwater fish
1970, McCann, J.A., Primaze 80W: Toxicity to Rainbow Trout

43801702

Fathead Minnow (*Pimephales promelas*) Freshwater fish Chronic
1995, Graves, W.; Mank, M.; Swigert, J., An Early Life-Stage Toxicity Test with the Fathead Minnow (*Pimephales promelas*): Prometryn: Lab Project Number: 108A-162

41022701

No other information found

40573720

Water Flea (*Daphnia magna*) Freshwater invertebrate Chronic
1988, Surprenant, D., The Chronic Toxicity of Prometryn Technical to *Daphnia magna* under Flow-through Conditions: Laboratory Study No. 88-1-2622.

40692

Bluegill sunfish (*Lepomis macrochirus*) Freshwater fish Acute
1970, McCann, J.A., Bluegill (~?Lepomis macro?- chirus?~): Test No. 229.

20692

Freshwater fish Acute

121154

Rainbow Trout (*Oncorhynchus mykiss*) Freshwater fish Acute
1970, McCann, J.

121155

Rainbow Trout (*Oncorhynchus mykiss*) Freshwater fish Acute
1970, McCann, J.

40573721

Fathead Minnow (*Pimephales promelas*) Freshwater fish
1985, Humaker, T., Flow-through Fathead Minnow Early Life Stage Toxicity Test with Prometryn: Laboratory Study No. D187.

43370403

Water Flea (*Daphnia magna*) Freshwater invertebrate Chronic
1994, Peters, G., Response to the Review of: The Chronic Toxicity of Prometryn Technical to *Daphnia Magna* under FlowThrough Conditions

44031101

Fathead Minnow (*Pimephales promelas*) Freshwater fish
1996, Graves, W.; Mank, M.; Swigert, J., An Early Life-Stage Toxicity Test with the Fathead Minnow, *Pimephales promelas*: Prometryn: A Supplement: Lab Project Number: 108A-162.

40573720

Water flea (*Daphnia magna*) Freshwater invertebrate Chronic
1988, Surprenant, D., The Chronic Toxicity of Prometryn Technical to *Daphnia magna* under Flow-through Conditions: Laboratory Study No. 88-1-2622

70146

Water Flea (*Daphnia magna*) Freshwater invertebrate Acute
1977, Vilkas, A.G., Acute Toxicity of Prometryn--FL-761355 to the Water Flea (~*Daphnia magna*~Straus): UCES Proj. # 11506-04- 04.

40457506

Selenastrum capricornutum Freshwater algae
1987, Hughes, J., The Toxicity of Prometryn Technical to *Selenastrum capricornutum*: Study Number 0267-38-1100-1

No MRID

Hyalella azteca Freshwater benthic amphipod Chronic
2000, Test Method 100.4: *Hyalella azteca* 42-d Test for Measuring the Effects of Sediment Associated Contaminants on Survival, Growth, and Reproduction in USEPA 2000 Methods for Measuring the Toxicity and Bioaccumulation of Sediment-associated Contaminants with Freshwater Invertebrates EPA 600/R- 99/064 (proposed guideline number 850.1770)

No MRID

Chironomus dilutus or *C. tentans* Freshwater benthic midge Chronic
2000, Test Method 100.5: Life-cycle Test for Measuring the Effects of Sedimentassociated Contaminants on *Chironomus dilutus* or *C. tentans* in USEPA 2000 Methods for Measuring the Toxicity and Bioaccumulation of Sediment-associated Contaminants with Freshwater Invertebrates EPA 600/R-99/064 (proposed guideline number 850.1760)

42520901

Duckweed (*Lemna gibba*) Aquatic plant, vascular

1992, Hughes, J.; Alexander, M., The Toxicity of Prometryn Technical to *Laemna gibba* G3: Lab Project Number: B267-577-4.

42520903

Green algae (*Selenastrum capricornutum*) Freshwater algae

1987, Hughes, J., The Toxicity of Prometryn Technical to *Selenastrum Capricornutum*: Lab Project Number: 0267-38-1100-1

42620201

Diatoms (*Navicula pelliculosa*)

1992, Hughes, J.; Alexander, M., The Toxicity of Prometryn Technical to *Navicula pelliculosa*: Lab Project Number: B267-577-2.

42620202

Diatoms (*Skeletonema costatum*)

42520902

Bluegreen algae (*Anabaena flosaquae*)

1992, Hughes, J.; Alexander, M., The Toxicity of Prometryn Technical to *Anabaena flosaquae*: Lab Project Number: B267-577-1.

410227-01

Bluegill sunfish (*Lepomis macrochirus*)

1988, Forbis, A.D. and T.D.J., Uptake, depuration and bioconcentration of ¹⁴Cprometryn to bluegill sunfish (*Lepomis macrochirus*), and characterization of ¹⁴Cprometryn residues in fish tissue and water. Laboratory Study No. 361341.

40520901

Green algae (*Lemma* ssp.)

42530902

Cyanobacteria (*Anabaena flosaquae*)

40573718

Mysid (*Americamysis bahia*) Saltwater crustacean Acute

1988, Surprenant, D., Acute Toxicity of Prometryn Technical to Mysid Shrimp (*Mysidopsis bahia*): Laboratory Study No. 88-1- 2601

40573719

Quahog Clam (*Mercenaria mercenaria*) Saltwater bivalve Acute

1988, Surprenant, D., Acute Toxicity of Prometryn Technical to Embryos-larvae of the Quahog Clam (*Mercenaria mercenaria*): Laboratory Study No. 88-1-2626

40573717

Saltwater fish Acute

1988, Surprenant, D., Acute Toxicity of Prometryn Technical to Sheepshead Minnow (Cyprinodon variegatus): Laboratory Study No. 87-12-2588.

27094

Saltwater shellfish

1964, Lowe, J.I., Gulf Shellfish: Effects of Pesticides

40228401

Oyster and pink shrimp Saltwater shellfish

GulBreeze Studies Spot

70147

Oyster Saltwater shellfish

1966, Wright, L., Jr.; Beliles, R.P., Prometryne: The Effect on Shell Growth in Oysters.

No MRID

Leptocheirus plumulosus Saltwater benthic amphipod Chronic

2000, Leptocheirus plumulosus in USEPA 2001 Method for Assessing the Chronic Toxicity of Marine and Estuarine Sediment-associated Contaminants with the Amphipod Leptocheirus plumulosus EPA 600/R-01/020 (proposed guideline number 850.1780)

41035901

Mallard duck (Anas platyrhynchos) Terrestrial bird

1989, Fletcher, D.; Pedersen, C., Prometryn Technical: Toxicity and Reproduction Study in Mallard Ducks: Study No. 87 DR 21.

43370402

Mallard duck (Anas platyrhynchos) Terrestrial bird

1994, Peters, G., Response to the Review of: Prometryn Technical: Toxicity and Reproduction Study in Mallard Ducks: Lab Project Number: 87/DRP/21.

82966

Mallard duck (Anas platyrhynchos) Terrestrial bird Acute

45280301

Mallard duck (Anas platyrhynchos) Terrestrial bird

70686

Mallard duck (Anas platyrhynchos) Terrestrial bird Acute

1965, Beliles, R.P.; Scott, W.; Knott, W., Prometryne: Safety Evaluation on Fish and Wildlife (Bobwhite Quail, Mallard Ducks, 47 2028299 2028300 2028301 Rainbow Trout, Sunfish, Goldfish)

40457501

Mallard duck (*Anas platyrhynchos*) Terrestrial bird

41035901

Mallard duck (*Anas platyrhynchos*) Terrestrial bird

1989, Fletcher, D. and Pedersen, C., Prometryn Technical: Toxicity and Reproduction Study in Mallard Ducks: Study No. 87 DR 21.

001483-38

Fate, sandy loam

1979, Ellgehausen, H. , Degradation of prometryn (Gesagard) in aerobic, aerobic/anaerobic, and sterile /aerobic conditions. Project report 20/79.

411559-01

Fate, sandy loam

405737-05

Fate, aqueous

1987, Lawrence, L.J., Solution photolysis of 14C prometryn under natural sunlight conditions. Laboratory Project No. 195. Report No. 1138.

405737-06

Fate, soil

1987, Lawrence, L.J., Soil surface photolysis of 14C prometryn under natural sunlight. Laboratory Project No. 196. Report No. 4135.

415464-04

Fate, soil

1990, Landis International, Inc., Caparol 4L terrestrial field dissipation on bareground in Texas. LA Protocol No. 1641-88-71-16-21E-14.

422539-02

Fate, soil

1990, Fleming, P.L., and Wiepke, T. , Supplemental to MRID 415464-04. Caparol 4L Field Dissipation Study on Bare Ground in Texas. Laboratory Project ID: 8808B.

415464-01

Fate, soil

1990, Landis International, Inc., Caparol 4L terrestrial field dissipation study on cotton in California. LA Protocol No. 1641-88-71-16-11B-15.

422539-03

Fate, soil

1990, Fleming, P.L., and Wiepke, T. , Supplemental to MRID 4154601. Caparol 4L Field Dissipation Study on Cotton in California. Laboratory Project ID: 8808C.

415464-02

Fate, soil

1990, Landis International, Inc., Supplemental to MRID 4154601. Caparol 4L Field Dissipation Study on Cotton in California. Laboratory Project ID: 8808C.

418759-02

Fate, soil

1991, Kestrson, A., Soil adsorption/desorption of [14C] GS-11354 by the batch equilibrium method. Laboratory Project ID: project No. 528; Ciba-Geigy Protocol No. 188-90.

418759-03

Fate, soil

1991, Kestrson, A., Soil adsorption/desorption of [14C] hydroxypropazine by the batch equilibrium method. Laboratory Project ID: project No. 527; Ciba-Geigy Protocol No. 189-90.

418759-01

Fate, soil

1991, Kestrson, A., Soil adsorption/desorption of [14C] prometryn by the batch equilibrium method. Laboratory Project ID: project No. 526; Ciba-Geigy Protocol No. 190-90.

405737-04

Hydrolysis

1987, Lawrence, L.J., Hydrolysis of 14C prometryn in aqueous solutions at pH 5, 7, and 9. Laboratory Project No. 194. Report No. 1129.

42520902

Blue-green algae (*Anabaena flos-aquae*) Aquatic Plant

1992, C. Laird (reviewer), Malcolm Pernie Inc. New York (laboratory), 091211QA (batch number)

42520901

Duckweed (*Lemna gibba*) Aquatic Plant

1992, C. Laird (reviewer), Malcolm Pernie Inc. New York (laboratory), 091211QA (batch number)

42620201

Freshwater diatom (*Navicula pelliculosa*) Aquatic Plant

1992, C. Laird (reviewer), Malcolm Pernie Inc. New York (laboratory), 091211QA (batch number)

42520903

Green algae (*Selenastrum capricornutum*) Aquatic Plant
1987, C. Laird (reviewer), Malcolm Pernie Inc. New York (laboratory), 091211QA
(batch number)

42620202

Marine diatom (*Skeletonema costatum*) Aquatic Plant
1993, C. Laird (reviewer), Malcolm Pernie Inc. New York (laboratory), 091211QA
(batch number)

00082966

Mallard duck (*Anas platyrhynchos*) Aves
1977, C. Brassard (reviewer), Wildlife International Inc., MD (laboratory), 091211QA
(batch number)

41035901

Mallard duck (*Anas platyrhynchos*) Aves
1989, C. Laird/K.Valente (reviewer), Biolife Associates, Inc. (laboratory), 091211QA
(batch number)

49074501

Mysid (*Americamysis bahia*) Crustacea
2013, Contract draft CEI (reviewer), Wildlife International Inc., MD (laboratory),
041014 (batch number)

40573718

Mysid (*Americamysis bahia*) Crustacea
1988, N. Mastrota-revise (reviewer), Springborn Laboratory Inc., Wareham, MA
(laboratory), 091211QA (batch number)

40228401

Pink shrimp (*Penaeus duorarum*) Crustacea
1986, F.L. Mayer (reviewer), EPA Research Labs, at Beltsville, MD ,Gulfbreeze, FL, or
Duluth, MN. (laboratory)

40573720

Water flea (*Daphnia magna*) Crustacea
1988, K. Montague-upgrad (reviewer), Springborn Laboratory Inc., Wareham, MA
(laboratory), 091211QA (batch number)

00070146

Water flea (*Daphnia magna*) Crustacea
1977, C. Brassard (reviewer), Union Carbide Environmental Services (laboratory),
091211QA (batch number)

49139003

Water flea (*Daphnia magna*) Crustacea
1985, Contract draft CEI (reviewer), Environmental Research and Technology,
Colorado (laboratory), 041014 (batch number)

00070686

Bluegill sunfish (*Lepomis macrochirus*) Fishes
1965, C. Brassard (reviewer), Woodard Research Corporation, Herndon, VA
(laboratory), 091211QA (batch number)

43081702

Fathead minnow (*Pimephales promelas*) Fishes
1995, C. Laird (reviewer), Wildlife International Inc., MD (laboratory), 091211QA
(batch number)

40573721

Fathead minnow (*Pimephales promelas*) Fishes
1985, C. Laird (reviewer), Environmental Research and Technology, Colorado
(laboratory), 091211QA (batch number)

00070686

Goldfish (*Carassius auratus*) Fishes
1965, C. Brassard (reviewer), Woodard Research Corporation, Herndon, VA
(laboratory), 091211QA (batch number)

49076601

Rainbow trout (*Oncorhynchus mykiss*) Fishes
1985, Contract draft CEI (reviewer), Environmental Research and Technology,
Colorado (laboratory), 041014 (batch number)

00070686

Rainbow trout (*Oncorhynchus mykiss*) Fishes
1965, C. Brassard (reviewer), Woodard Research Corporation, Herndon, VA
(laboratory), 091211QA (batch number)

40573717

Sheepshead minnow (*Cyprinodon variegatus*) Fishes
1988, C. Laird (reviewer), Springborn Laboratory Inc., Wareham, MA (laboratory),
091211QA (batch number)

40228401 Spot (*Leiostomus xanthurus*) Fishes

1986, F.L. Mayer (reviewer), EPA Research Labs, at Beltsville, MD ,Gulfbreeze, FL, or
Duluth, MN. (laboratory)

40228401

Eastern oyster (*Crassostrea virginica*) Mollusca
1986, F.L. Mayer (reviewer), EPA Research Labs, at Beltsville, MD ,Gulfbreeze, FL, or
Duluth, MN. (laboratory)

40573719

Quahog clam (*Mercenaria mercenaria*) Mollusca
1988, C. Laird (reviewer), Springborn Laboratory Inc., Wareham, MA (laboratory),
091211QA (batch number)

00070686

Mallard duck (*Anas platyrhynchos*) Aves
1965, C. Brassard (reviewer), Woodard Research Corporation, Herndon, VA
(laboratory), 091211QA (batch number)

TN 0387, 121155

Bluegill sunfish (*Lepomis macrochirus*) Fishes
1971, C. Brassard (reviewer), Agricultural Research Center, USDA, Beltsville, MD.
(laboratory), 091211QA (batch number)

TN 0256, 121154

Rainbow trout (*Oncorhynchus mykiss*) Fishes
1970, C. Brassard (reviewer), Agricultural Research Center, USDA, Beltsville, MD.
(laboratory), 091211QA (batch number)

00040692

Bluegill sunfish (*Lepomis macrochirus*) Fishes
1970, McCann/C. Brassard (reviewer), Agricultural Research Center, USDA, Beltsville,
MD. (laboratory), 091211QA (batch number)

00024738

Rainbow trout (*Oncorhynchus mykiss*) Fishes
1970, McCann/C. Brassard (reviewer), Agricultural Research Center, USDA, Beltsville,
MD. (laboratory), 091211QA (batch number)

Simazine CAS No. 122-34-9

23321

Freshwater fish Acute

23322

Freshwater fish Acute

33309

Freshwater fish Acute

163135

Freshwater fish Acute

163136

Freshwater fish Acute

43668

Freshwater fish Acute

40245701

Freshwater fish Acute

33309

Fathead minnow (*Pimephales promelas*) Freshwater fish Acute

43676

Fathead minnow (*Pimephales promelas*) Freshwater fish Chronic

45088221

Water flea (*Daphnia magna*) Freshwater invertebrate Acute

45087413

Water flea (*Daphnia magna*) Freshwater invertebrate

24377

Water flea (*Daphnia magna*) Freshwater invertebrate

42503705

Aquatic plant, algae

42503706

Aquatic plant, algae

42503707

Aquatic plant, algae

42662401

Aquatic plant, algae

42662401

Cyanobacteria

42503704

Duckweed, *Lemna gibba* Freshwater aquatic plant, vascular

43676

Fathead minnow (*Pimephales promelas*) Freshwater fish

43676

Freshwater fish?

42503702

Saltwater fish Acute

47984801

Mysid Chronic

42503703

Eastern oyster, *Crassostrea virginica* Saltwater invertebrate Acute

23331

Saltwater invertebrate Acute

43677

Saltwater invertebrate Acute

47984801

Mysid Saltwater invertebrate Chronic

727-98

Mallard duck (*Anas platyrhynchos*) Terrestrial bird
1976, Fink

22923

Mallard duck (*Anas platyrhynchos*) Terrestrial bird

23319

Terrestrial bird

43004501

No other information found

46561301

No other information found

43004502

No other information found

40614411

No other information found

42503708

No other information found

42739101

No other information found

27857

No other information found

27856

No other information found

40634202

No other information found

27863

No other information found

00027863

No other information found

27829

No other information found

40614420

No other information found

40614422

No other information found

27829

No other information found

40614420

No other information found

40614422

No other information found

41257903

No other information found

41442903

No other information found

42662401

Blue-green algae (*Anabaena flos-aquae*) Aquatic Plant
1992, T. Perry (reviewer), Wildlife International Inc., MD (laboratory), 062014QA
(batch number)

42503704

Duckweed (*Lemna gibba*) Aquatic Plant
1992, T. Perry (reviewer), Wildlife International Inc., MD (laboratory), 062014QA
(batch number)

42503707

Freshwater diatom (*Navicula pelliculosa*) Aquatic Plant
1992, T. Perry (reviewer), Wildlife International Inc., MD (laboratory), 062014QA
(batch number)

40228401

Green algae (*Chlorococcum* sp.) and Green algae (*Dunaliella tertiolecta*) Aquatic Plant
1986, F.L. Mayer (reviewer), EPA Research Labs, at Beltsville, MD ,Gulfbreeze, FL, or
Duluth, MN. (laboratory)

42503706

Green algae (*Selenastrum capricornutum*) Aquatic Plant
1992, T. Perry (reviewer), Wildlife International Inc., MD (laboratory), 062014QA
(batch number)

42503705

Marine diatom (*Skeletonema costatum*) Aquatic Plant
1992, T. Perry (reviewer), Wildlife International Inc., MD (laboratory), 062014QA
(batch number)

00022923

Mallard duck (*Anas platyrhynchos*) Aves
1975, Hill, E.F./Rieder (reviewer), Fish and Wildlife Service Laboratories, Department
of Interior (laboratory), 062014QA (batch number)

00072798

Mallard duck (*Anas platyrhynchos*) Aves
1976, D. Rieder (reviewer), Wildlife International Inc., MD (laboratory), 062014QA
(batch number)

43576901

Mallard duck (*Anas platyrhynchos*) Aves
1994, W. Erickson (reviewer), Wildlife International Inc., MD (laboratory), 062014QA
(batch number)

00043672

Mallard duck (*Anas platyrhynchos*) Aves
1965, D. Rieder (reviewer), Truslo Farm Inc., Easton Md. Later became Wildlife
International (laboratory), 062014QA (batch number)

00043678

Mallard duck (*Anas platyrhynchos*) Aves
1974, D. Rieder (reviewer), Truslo Farm Inc., Easton Md. Later became Wildlife
International (laboratory), 062014QA (batch number)

05001497

Crayfish (*Procambarus* sp.) Crustacea
970, D. Rieder (reviewer), References (laboratory)

05001497

Glass shrimp (*Palaemonetes kadiakensis*) Crustacea
1970, D. Rieder (reviewer), References (laboratory)

00023331

Mud crab (*Neopanope texana*) and Pink shrimp (*Penaeus duorarum*) Crustacea
1973, D. Rieder (reviewer), Bionomics, Inc., Wareham, MA. (laboratory), 062014QA
(batch number)

45088221

Scud (*Gammarus lacustris*) Crustacea
1969, D. Rieder (reviewer), Fish and Wildlife Service Laboratories, Department of
Interior (laboratory), 062014QA (batch number)

40098001

Scud (*Gammarus fasciatus*) Crustacea
1980, Mayer & Ellersieck (reviewer), Fish and Wildlife Service Laboratories,
Department of Interior (laboratory)

05001497

Seed shrimp (*Cypridopsis vidua*) Crustacea
1979, Johnson & Finley (reviewer), Fish and Wildlife Service Laboratories, Department of Interior (laboratory), 030415QA (batch number)

05001497

Sowbug (*Asellus brevicaudus*) Crustacea
1970, D. Rieder (reviewer), References (laboratory)

05001497

Water flea (*Daphnia magna*) Crustacea
1980, Johnson & Finley (reviewer), Fish and Wildlife Service Laboratories, Department of Interior (laboratory), 030415QA (batch number)

00025433

Bluegill sunfish (*Lepomis macrochirus*) Fishes
1967, D. Rieder (reviewer), Fish and Wildlife Service Laboratories, Department of Interior (laboratory)

05001497

Bluegill sunfish (*Lepomis macrochirus*) Fishes
1980, Johnson & Finley (reviewer), Fish and Wildlife Service Laboratories, Department of Interior (laboratory), 030415QA (batch number)

00025438

Bluegill sunfish (*Lepomis macrochirus*) Fishes
1965, D. Rieder (reviewer), Woodard Research Corporation, Herndon, VA (laboratory), 062014QA (batch number)

00023999

Bluegill sunfish (*Lepomis macrochirus*), Bluntnose minnow (*Pimephales notatus*), Largemouth bass (*Micropterus salmoides*), Redear sunfish (*Lepomis microlophus*), Pumpkinseed sunfish (*Lepomis gibbosus*), and Channel catfish (*Ictalurus punctatus*)
Fishes
1964, D. Rieder (reviewer), References (laboratory)

00034214

Emerald shiner (*Notropis atherinoides*) Fishes
1963, D. Rieder (reviewer), Shell Chemical Corporation, Toxicology Laboratories (laboratory), 062014QA (batch number)

40098001

Fathead minnow (*Pimephales promelas*) Fishes
1986, Mayer & Eilersieck (reviewer), Fish and Wildlife Service Laboratories, Department of Interior (laboratory)

00031150

Fathead minnow (*Pimephales promelas*) Fishes
1971, D. Rieder (reviewer), Bionomics, Inc., Wareham, MA. (laboratory), 062014QA
(batch number)

40094602

Fathead minnow (*Pimephales promelas*) Fishes
1980, Johnson & Finley (reviewer), Fish and Wildlife Service Laboratories, Department
of Interior (laboratory), 020215QA (batch number)

40098001

Fathead minnow (*Pimephales promelas*) Fishes
1986, Mayer & Ellersieck (reviewer), Fish and Wildlife Service Laboratories,
Department of Interior (laboratory)

00026299

Goldfish (*Carassius auratus*) Fishes
1965, D. Rieder (reviewer), Woodard Research Corporation, Herndon, VA (laboratory),
062014QA (batch number)

00025433

Goldfish (*Carassius auratus*) Fishes
1967, D. Rieder (reviewer), Fish and Wildlife Service Laboratories, Department of
Interior (laboratory)

00043668

Rainbow trout (*Oncorhynchus mykiss*) Fishes
1973, D. Rieder (reviewer), Ciba Geigy Corporation., Laboratories Switzerland
(laboratory), 062014QA (batch number)

40094602

Rainbow trout (*Oncorhynchus mykiss*) Fishes
1980, Johnson & Finley (reviewer), Fish and Wildlife Service Laboratories, Department
of Interior (laboratory), 020215QA (batch number)

00043666

Rainbow trout (*Oncorhynchus mykiss*) Fishes
1976, D. Rieder (reviewer), Union Carbide Environmental Services (laboratory),
062014QA (batch number)

00163135

Rainbow trout (*Oncorhynchus mykiss*) Fishes
1983, T. Armitage (reviewer), Analytical Biochemical Laboratory, Columbia, Missouri
(laboratory), 062014QA (batch number)

42503702

Sheepshead minnow (*Cyprinodon variegatus*) Fishes
1992, T. Perry (reviewer), Wildlife International Inc., MD (laboratory), 062014QA
(batch number)

42503703

Eastern oyster (*Crassostrea virginica*) Mollusca
1992, T. Perry (reviewer), Wildlife International Inc., MD (laboratory), 062014QA
(batch number)

00043677

Eastern oyster (*Crassostrea virginica*) Mollusca
1966, D. Rieder (reviewer), Woodard Research Corporation, Herndon, VA (laboratory),
062014QA (batch number)

00043676

Water flea (*Daphnia magna*) and Fathead minnow (*Pimephales promelas*)
Crustacea Fishes
1975, D. Rieder (reviewer), Fish and Wildlife Service Laboratories, Department of
Interior (laboratory)

00043667

Striped bass (*Morone saxatilis*) Fishes
1967, D. Rieder (reviewer), References (laboratory), 062014QA (batch number)

00163138

Rainbow trout (*Oncorhynchus mykiss*) Fishes
1976, T. Armitage (reviewer), Union Carbide Environmental Services (laboratory),
062014QA (batch number)

00163136

Rainbow trout (*Oncorhynchus mykiss*) Fishes
1976, T. Armitage (reviewer), Union Carbide Environmental Services (laboratory),
062014QA (batch number)

40245701

Rainbow trout (*Oncorhynchus mykiss*) Fishes
1987, L. Touart (reviewer), Analytical Biochemical Laboratory, Columbia, Missouri
(laboratory), 062014QA (batch number)

00163137

Rainbow trout (*Oncorhynchus mykiss*) Fishes
1976, T. Armitage (reviewer), Union Carbide Environmental Services (laboratory),
062014QA (batch number)

Trifluralin CAS No. 036101

40094602

Rainbow Trout (*Oncorhynchus mykiss*) Freshwater fish
1980, Johnson & Finley

40094602

Bluegill sunfish (*Lepomis macrochirus*) Freshwater fish
1980, Johnson & Finley

40094602

Fathead minnow (*Pimephales promelas*) Freshwater fish
1980, Johnson & Finley

40094602

Channel catfish Freshwater fish
1980, Johnson & Finley

40094602

Largemouth bass Freshwater fish
1980, Johnson & Finley

40094602

Goldfish Freshwater fish
1980, Johnson & Finley

41386202

Rainbow Trout (*Oncorhynchus mykiss*) Freshwater fish
1990, Adams et al

108218

Fathead minnow (*Pimephales promelas*) Freshwater fish
1976, Macek et al

40094602

Water flea (*Daphnia magna*) Freshwater invertebrate
1980, Johnson & Finley

40094602

Water flea (*Daphnia pulex*) Freshwater invertebrate
1980, Johnson & Finley

40094602

Simocephalus Freshwater invertebrate
1980, Johnson & Finley

40094602

G. fasciatus Freshwater invertebrate
1980, Johnson & Finley

40094602

Pteronarcys Freshwater invertebrate
1980, Johnson & Finley

41386201

Waterflea (Daphnia magna) Freshwater invertebrate
1990, Grothe & Mohr

108218

Waterflea (Daphnia magna) Freshwater invertebrate
1976, Macek et al

42834102

Navicula pelliculosa Aquatic plant
1993, Hughes & Williams

42834104

Green algae (Lemma ssp.) Aquatic plant
1993, Millazzo et al

41934502

Selenastrum capricornutum Freshwater algae
1990, Adams & Cocke

42834101

Skeletonema costatum Aquatic plant
1993, Hughes & Williams

42834103

Bluegreen algae (Anabaena flosaquae) Aquatic plant
1990, Hughes & Williams

42449902

Bay mussel embryo larvae Saltwater invertebrate
1975, Liu & Lee

40674801

Grass shrimp Saltwater invertebrate

No MRID

Sheepshead minnow (Cyprinodon variegatus)
1978, Parrish, et al

137573

Mallard duck (*Anas platyrhynchos*) Terrestrial bird Acute
1984, Hudson et al

138857

Mallard duck (*Anas platyrhynchos*) Terrestrial bird Subacute
1983, Emerson & Kehr

131132

Mallard duck (*Anas platyrhynchos*) Terrestrial bird Chronic
1978, Beavers & Fink

40334704

Mallard duck (*Anas platyrhynchos*) Terrestrial bird Chronic
1987, Beavers et al

42834103

Blue-green algae (*Anabaena flos-aquae*) Aquatic Plant
1993, C. Hartless-reeval (reviewer), Malcolm Pernie Inc. New York (laboratory),
081313QA (batch number)

42834104

Duckweed (*Lemna gibba*) Aquatic Plant
1993, C. Hartless-reeval (reviewer), Drew Chemical Corporation (laboratory),
081313QA (batch number)

42834102 Freshwater diatom (*Navicula pelliculosa*) Aquatic Plant

1993, C. Hartless-reeval (reviewer), Malcolm Pernie Inc. New York (laboratory),
081313QA (batch number)

40228401

Green algae (*Dunaliella tertiolecta*) Aquatic Plant
1986, F.L. Mayer (reviewer), EPA Research Labs, at Beltsville, MD ,Gulfbreeze, FL, or
Duluth, MN. (laboratory)

40228401

Green algae (*Chlorococcum* sp.) Aquatic Plant
1986, F.L. Mayer (reviewer), EPA Research Labs, at Beltsville, MD ,Gulfbreeze, FL, or
Duluth, MN. (laboratory)

40228401

Marine algae (*Isochrysis galbana*) Aquatic Plant
1986, F.L. Mayer (reviewer), EPA Research Labs, at Beltsville, MD ,Gulfbreeze, FL, or
Duluth, MN. (laboratory)

42834101

Marine diatom (*Skeletonema costatum*) Aquatic Plant
1993, C. Hartless-reeval (reviewer), Malcolm Pernie Inc. New York (laboratory),
081313QA (batch number)

40228401

Marine diatom (*Phaeodactylum tricornutum*) Aquatic Plant
1986, F.L. Mayer (reviewer), EPA Research Labs, at Beltsville, MD ,Gulfbreeze, FL, or
Duluth, MN. (laboratory)

40334704

Mallard duck (*Anas platyrhynchos*) Aves
1987, R. Costello (reviewer), Wildlife International Inc., MD (laboratory), 081313QA
(batch number)

00160000

Mallard duck (*Anas platyrhynchos*) Aves
1984, Hudson, R.H. et al (reviewer), Fish and Wildlife Service Laboratories,
Department of Interior (laboratory)

00138857

Mallard duck (*Anas platyrhynchos*) Aves
1983, L. Touart (reviewer), Lilly Research Laboratories (Eli Lilly Inc.) (laboratory),
081313QA (batch number)

00131132

Mallard duck (*Anas platyrhynchos*) Aves
1978, L. Touart (reviewer), Wildlife International Inc., MD (laboratory), 081313QA
(batch number)

00165225

Dungeness crab (*Cancer magister*) Crustacea
1976, D. Rieder (reviewer), References (laboratory)

40098001

Glass shrimp (*Palaemonetes kadiakensis*) Crustacea
1986, Mayer & Eilersieck (reviewer), Fish and Wildlife Service Laboratories,
Department of Interior (laboratory)

40674801

Grass shrimp (*Palaemonetes pugio*) Crustacea
1991, K. Valente (reviewer), Lilly Research Laboratories (Eli Lilly Inc.) (laboratory),
081313QA (batch number)

40098001

Scud (*Gammarus fasciatus*) Crustacea
1986, Mayer & Eilersieck (reviewer), Fish and Wildlife Service Laboratories,
Department of Interior (laboratory)

40098001

Sowbug (*Asellus brevicaudus*) Crustacea
1986, Mayer & Eilersieck (reviewer), Fish and Wildlife Service Laboratories,
Department of Interior (laboratory)

05008271

Water flea (*Daphnia magna* (3 Gen study)) Crustacea
1976, L. Touart (reviewer), EPA Research Labs, at Beltsville, MD ,Gulfbreeze, FL, or
Duluth, MN. (laboratory), 081313QA (batch number)

47807007

Water flea (*Daphnia magna*) Crustacea
2009, C. Hartless (reviewer), Dow Chemical Corporation Laboratories (laboratory),
081313QA (batch number)

41386201

Water flea (*Daphnia magna*) Crustacea
1990, C. Laird (reviewer), Lilly Research Laboratories (Eli Lilly Inc.) (laboratory),
081313QA (batch number)

40094602

Water flea (*Daphnia pulex*) Crustacea
1980, Johnson & Finley (reviewer), Fish and Wildlife Service Laboratories, Department
of Interior (laboratory), 030415QA (batch number)

40094602

Water flea (*Daphnia magna*) Crustacea
1980, Johnson & Finley (reviewer), Fish and Wildlife Service Laboratories, Department
of Interior (laboratory), 030415QA (batch number)

40094602

Water flea (*Simocephalus serrulatus*) Crustacea
1980, Johnson & Finley (reviewer), Fish and Wildlife Service Laboratories, Department
of Interior (laboratory), 030415QA (batch number)

40098001

Bluegill sunfish (*Lepomis macrochirus*) Fishes
1986, Mayer & Eilersieck (reviewer), Fish and Wildlife Service Laboratories,
Department of Interior (laboratory)

40098001

Channel catfish (*Ictalurus punctatus*) Fishes
1986, Mayer & Eilersieck (reviewer), Fish and Wildlife Service Laboratories,
Department of Interior (laboratory)

42439601

Fathead minnow (*Pimephales promelas*) Fishes
1992, D. Lateulere (reviewer), Lilly Research Laboratories (Eli Lilly Inc.) (laboratory),
081313QA (batch number)

40094602

Fathead minnow (*Pimephales promelas*) Fishes
1980, Johnson & Finley (reviewer), Fish and Wildlife Service Laboratories, Department
of Interior (laboratory), 030415QA (batch number)

05008271

Fathead minnow (*Pimephales promelas*) Fishes
1976, L. Touart (reviewer), EPA Research Labs, at Beltsville, MD, Gulfbreeze, FL, or
Duluth, MN. (laboratory), 081313QA (batch number)

40094602

Goldfish (*Carassius auratus*) Fishes
1980, Johnson & Finley (reviewer), Fish and Wildlife Service Laboratories, Department
of Interior (laboratory), 030415QA (batch number)

40094602

Largemouth bass (*Micropterus salmoides*) Fishes
1980, Johnson & Finley (reviewer), Fish and Wildlife Service Laboratories, Department
of Interior (laboratory), 030415QA (batch number)

41386202

Rainbow trout (*Oncorhynchus mykiss*) Fishes
1990, C. Hartless-reeval (reviewer), Lilly Research Laboratories (Eli Lilly Inc.)
(laboratory), 061714QA (batch number)

40098001

Rainbow trout (*Oncorhynchus mykiss*) and Walleye (*Stizostedion vitreum* v.) Fishes
1986, Mayer & Eilersieck (reviewer), Fish and Wildlife Service Laboratories,
Department of Interior (laboratory)

40228401

Sheepshead minnow (*Cyprinodon variegatus*) Fishes
1986, F.L. Mayer (reviewer), EPA Research Labs, at Beltsville, MD, Gulfbreeze, FL, or
Duluth, MN. (laboratory)

42449901

Sheepshead minnow (*Cyprinodon variegatus*) Fishes
1978, R. Costello (reviewer), Bionomics, Inc., Wareham, MA. (laboratory), 081313QA
(batch number)

47807013

Midge (*Chironomus riparius*) Insecta
1996, C. Hartless (reviewer), GAB Technologie Frankfurt or Niefern-Oeschelbronn,
Germany (laboratory), 081313QA (batch number)

47807013

Midge (*Chironomus riparius*) Insecta
1996, C. Hartless (reviewer), GAB Technologie Frankfurt or Niefern-Oeschelbronn,
Germany (laboratory), 081313QA (batch number)

40098001

Stonefly (*Pteronarcys californica*) Insecta
1986, Mayer & Eilersieck (reviewer), Fish and Wildlife Service Laboratories,
Department of Interior (laboratory)

42449902

Mussel (*Mytilus edulis*) Mollusca
1975, R. Costello (reviewer), SRI International / Penwalt PA (laboratory), 081313QA
(batch number)

47807005

Green algae (*Selenastrum capricornutum*) Aquatic Plant
2009, C. Hartless (reviewer), Dow Chemical Corporation Laboratories (laboratory),
081313QA (batch number)

47807003

Water flea (*Daphnia magna*) Crustacea
2009, C. Hartless (reviewer), Dow Chemical Corporation Laboratories (laboratory),
081313QA (batch number)

47807002

Rainbow trout (*Oncorhynchus mykiss*) Fishes
2009, C. Hartless (reviewer), Dow Chemical Corporation Laboratories (laboratory),
081313QA (batch number)

47807012

Midge (*Chironomus riparius*) Insecta
2004, C. Hartless (reviewer), Dow Chemical Corporation Laboratories (laboratory),
081313QA (batch number)

47807006

Green algae (*Selenastrum capricornutum*) Aquatic Plant
2009, C. Hartless (reviewer), Dow Chemical Corporation Laboratories (laboratory),
081313QA (batch number)

47807004

Water flea (*Daphnia magna*) Crustacea
2009, C. Hartless (reviewer), Dow Chemical Corporation Laboratories (laboratory),
081313QA (batch number)

47807001

Rainbow trout (*Oncorhynchus mykiss*) Fishes
2009, C. Hartless (reviewer), Dow Chemical Corporation Laboratories (laboratory),
081313QA (batch number)

Fipronil CAS No. 129121

46329904

Corbicula fluminea Freshwater clam Acute

42918626

Waterflea (Daphnia magna) Freshwater invertebrate Chronic

42818627

Rainbow Trout (Oncorhynchus mykiss) Freshwater fish Chronic

44299401

Channel catfish (Ictalurus punctatus) Freshwater fish Acute

42918624

Bluegill sunfish (Lepomis macrochirus) Freshwater fish Acute

46376701

Chironomus riparius Freshwater invertebrate Acute

42977902

Rainbow Trout (Oncorhynchus mykiss) Freshwater fish Acute

46329903

Lumbriculus variegatus Freshwater worm Acute

43291718

Rainbow Trout (Oncorhynchus mykiss) Freshwater fish Acute

43291719

Waterflea (Daphnia magna) Freshwater invertebrate Acute

42918625

Waterflea (Daphnia magna) Freshwater invertebrate Acute

46329902

Hexagenia sp. Freshwater invertebrate Acute

42918658

Navicula pelliculosa Aquatic plant

42918656

Duckweed (Lemna gibba) Aquatic plant

42918660

Selenastrum capricornutum Aquatic plant

42918659

No other information found

42918657

No other information found

43291701

Eastern oyster, *Crassostrea virginica* Saltwater invertebrate

43279701

Americamysis bahia Saltwater crustacean

45265101

No other information found

43291702

Sheepshead Minnow (*Cyprinodon variegatus*) Saltwater fish Acute

43681201

Sheepshead Minnow (*Cyprinodon variegatus*) Saltwater fish Chronic

44605502

Sheepshead Minnow (*Cyprinodon variegatus*) Saltwater fish Chronic

45878001

Midge larvae (*Chironomus tentans*) Benthic bloodworm Acute

42918616

Mallard duck (*Anas platyrhynchos*) Terrestrial bird Acute

42918621

Mallard duck (*Anas platyrhynchos*) Terrestrial bird Acute

42918623

Mallard duck (*Anas platyrhynchos*) Terrestrial bird Acute

42918663

No other information found

44661301

No other information found

44261909

No other information found

44661301

No other information found

42918661

No other information found

42194701

No other information found

46329903

Freshwater worm (*Lumbriculus variegatus*) Annelida
2003, E. Odenkirchen (reviewer), BASF Corporation, Republic of Germany
(laboratory), 101509 (batch number)

42918657

Blue-green algae (*Anabaena flos-aquae*) Aquatic Plant
1993, A. Bryceland (reviewer), Springborn Laboratory Inc., Wareham, MA (laboratory)

42918656

Duckweed (*Lemna gibba*) Aquatic Plant
1993, A. Bryceland (reviewer), Springborn Laboratory Inc., Wareham, MA (laboratory)

42918658

Freshwater diatom (*Navicula pelliculosa*) Aquatic Plant
1993, A. Bryceland (reviewer), Biolife Associates, Inc. (laboratory)

42918660

Green algae (*Selenastrum capricornutum*) Aquatic Plant
1993, A. Bryceland (reviewer), Springborn Laboratory Inc., Wareham, MA (laboratory)

42918659

Marine diatom (*Skeletonema costatum*) Aquatic Plant
1993, A. Bryceland (reviewer), Springborn Laboratory Inc., Wareham, MA (laboratory)

42918623

Mallard duck (*Anas platyrhynchos*) Aves
1993, A. Bryceland (reviewer), Biolife Associates, Inc. (laboratory)

42918616

Mallard duck (*Anas platyrhynchos*) Aves
1990, A. Bryceland (reviewer), Biolife Associates, Inc. (laboratory)

43776602

Mallard duck (*Anas platyrhynchos*) Aves
1994, N. Federoff (reviewer), Biolife Associates, Inc. (laboratory)

42918621

Mallard duck (*Anas platyrhynchos*) Aves

1993, A. Bryceland (reviewer), Biolife Associates, Inc. (laboratory)

46619103

Mysid (*Americamysis bahia*) Crustacea

2005, A. Ullagaddi (reviewer), (laboratory), 101509 (batch number)

43279701

Mysid (*Americamysis bahia*) Crustacea

1994, A. Bryceland (reviewer), Springborn Laboratory Inc., Wareham, MA (laboratory)

43681201

Mysid (*Americamysis bahia*) Crustacea

1995, N. Federoff (reviewer), Springborn Laboratory Inc., Wareham, MA (laboratory)

43291719

Water flea (*Daphnia magna*) Crustacea

1992, A. Bryceland (reviewer), Springborn Laboratory Inc., Wareham, MA (laboratory)

42918625

Water flea (*Daphnia magna*) Crustacea

1990, A. Bryceland (reviewer), Springborn Laboratory Inc., Wareham, MA (laboratory)

42918670

Water flea (*Daphnia magna*) Crustacea

1990, A. Bryceland (reviewer), Springborn Laboratory Inc., Wareham, MA (laboratory)

42918624

Bluegill sunfish (*Lepomis macrochirus*) Fishes

1991, A. Bryceland (reviewer), Toxikon Environmental Sciences, Jupiter, Florida (laboratory)

44299401

Channel catfish (*Ictalurus punctatus*) Fishes

1996, B. Montague (reviewer), Springborn Laboratory Inc., Wareham, MA (laboratory)

42977902

Rainbow trout (*Oncorhynchus mykiss*) Fishes

1991, A. Bryceland (reviewer), Toxikon Environmental Sciences, Jupiter, Florida (laboratory)

43291718

Rainbow trout (*Oncorhynchus mykiss*) Fishes

1993, A. Bryceland (reviewer), Springborn Laboratory Inc., Wareham, MA (laboratory)

42918627 Rainbow trout (*Oncorhynchus mykiss*) Fishes
1992, A. Bryceland (reviewer), Springborn Laboratory Inc., Wareham, MA (laboratory)

44605501
Sheepshead minnow (*Cyprinodon variegatus*) Fishes
1998, B. Montague (reviewer), Springborn Laboratory Inc., Wareham, MA (laboratory)

43291702
Sheepshead minnow (*Cyprinodon variegatus*) Fishes
1993, A. Bryceland (reviewer), Springborn Laboratory Inc., Wareham, MA (laboratory)

45265101
Sheepshead minnow (*Cyprinodon variegatus*) Fishes
2000, C. Hartless (reviewer), (laboratory), 071610 (batch number)

44605502
Sheepshead minnow (*Cyprinodon variegatus*) Fishes
1998, B. Montague (reviewer), Springborn Laboratory Inc., Wareham, MA (laboratory)

46329902
Mayfly (*Hexagenia* sp.) Insecta
2003, E. Odenkirchen (reviewer), (laboratory), 101509 (batch number)

43291701
Eastern oyster (*Crassostrea virginica*) Mollusca
1993, A. Bryceland (reviewer), Springborn Laboratory Inc., Wareham, MA (laboratory)

46329904
Freshwater clam (*Corbicula fluminea*) Mollusca
2003, E. Odenkirchen (reviewer), BASF Corporation, Republic of Germany
(laboratory), 101509 (batch number)

46619103 Mysid (*Americamysis bahia*) Crustacea
2005, A. Ullagaddi (reviewer), Springborn Laboratory Inc., Wareham, MA (laboratory),
070912 (batch number)

45851001
Midge (*Chironomus riparius*) Insecta
2002, A. Ullagaddi (reviewer), (laboratory), 040710 (batch number)

42918669
Water flea (*Daphnia magna*) Crustacea
1990, A. Bryceland (reviewer), Springborn Laboratory Inc., Wareham, MA (laboratory)

42918671

Water flea (*Daphnia magna*) Crustacea

1990, A. Bryceland (reviewer), Springborn Laboratory Inc., Wareham, MA (laboratory)

42918674

Bluegill sunfish (*Lepomis macrochirus*) Fishes

1992, A. Bryceland (reviewer), Springborn Laboratory Inc., Wareham, MA (laboratory)

42918673

Rainbow trout (*Oncorhynchus mykiss*) Fishes

1992, A. Bryceland (reviewer), Springborn Laboratory Inc., Wareham, MA (laboratory)

46376701

Midge (*Chironomus riparius*) Insecta

2004, William Evans (reviewer), BASF Corporation, Republic of Germany (laboratory), 101509 (batch number)

45156302

Mysid (*Americamysis bahia*) Crustacea

2000, K. Banks (reviewer), Springborn Laboratory Inc., Wareham, MA (laboratory)

45084801

Midge (*Chironomus tentans*) Insecta

2000, W. Evans (reviewer), Springborn Laboratory Inc., Wareham, MA (laboratory)

45084801

Midge (*Chironomus tentans*) Insecta

2000, W. Evans (reviewer), Springborn Laboratory Inc., Wareham, MA (laboratory)

45156301

Mysid (*Americamysis bahia*) Crustacea

2000, K. Banks (reviewer), Springborn Laboratory Inc., Wareham, MA (laboratory)

45175901

Midge (*Chironomus tentans*) Insecta

2000, W. Evans (reviewer), Springborn Laboratory Inc., Wareham, MA (laboratory)

43279705

Green algae (*Selenastrum capricornutum*) Aquatic Plant

1993, B. Montague (reviewer), Springborn Laboratory Inc., Wareham, MA (laboratory)

45120001

Mysid (*Americamysis bahia*) Crustacea

2000, K. Banks (reviewer), Springborn Laboratory Inc., Wareham, MA (laboratory)

43279704

Water flea (*Daphnia magna*) Crustacea

1992, B. Montague (reviewer), Springborn Laboratory Inc., Wareham, MA (laboratory)

43279702

Bluegill sunfish (*Lepomis macrochirus*) Fishes

1993, B. Montague (reviewer), Springborn Laboratory Inc., Wareham, MA (laboratory)

43279703

Rainbow trout (*Oncorhynchus mykiss*) Fishes

1993, B. Montague (reviewer), Springborn Laboratory Inc., Wareham, MA (laboratory)

45375901

Midge (*Chironomus tentans*) Insecta

2001, K. Banks (reviewer), Springborn Laboratory Inc., Wareham, MA (laboratory)

Fipronil degradate MB45950

CAS No. 129121

42918669

Waterflea (*Daphnia magna*) Freshwater invertebrate Acute

45084801

Chironomus tentans Freshwater invertebrate Acute

45156302

Americamysis bahia Saltwater crustacean

45156302

Americamysis bahia Saltwater crustacean

45259202

Americamysis bahia Saltwater crustacean Chronic

45084801

Midge larvae (*Chironomus tentans*) Benthic bloodworm

44537902

1997, Theissen

Fipronil degradate MB46136

CAS No. 129121

42918671

Waterflea (*Daphnia magna*) Freshwater invertebrate Acute

46376701

Chironomus tentans Freshwater invertebrate Acute

42918673

Rainbow Trout (*Oncorhynchus mykiss*) Freshwater fish

42918674

Bluegill sunfish (*Lepomis macrochirus*) Freshwater fish

45156301

Americamysis bahia Saltwater crustacean

45156301

Americamysis bahia Saltwater crustacean

45259203

Americamysis bahia Saltwater crustacean

45175901

Midge larvae (*Chironomus tentans*) Benthic bloodworm

Fipronil degradate MB46513

CAS No. 129121

45375901

Chironomus tentans Freshwater invertebrate Acute

43291718

Rainbow Trout (Oncorhynchus mykiss) Freshwater fish

43279703

Rainbow Trout (Oncorhynchus mykiss) Freshwater fish

43279705

Selenastrum capricornutum Aquatic plant

45120001

Americamysis bahia Saltwater crustacean

43776602

Mallard duck (Anas platyrhynchos) Terrestrial bird

45375901

Midge larvae (Chironomus tentans) Benthic bloodworm

44262831

1997, Theissen

44262830

1997, Theissen

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